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REMARKS

This paper is intended as a full and complete response to the Final Office Action dated July 5, 2006, having a shortened statutory period for response set to expire on October 5, 2006.

If the amendments and remarks herein do not satisfy the Examiner, the Applicant respectfully requests an Advisory Action so that the Applicant may reply to the Examiner's concerns.

Claims 4-5 and 12-13 are cancelled from the Application.

Claims 1 and 5 are currently amended in the Application

Claims 1-3, 6-11, and 14 are pending in the Application.

I. Election/Restrictions

Applicant has cancelled Claims 12 and 13 from the Application as suggested by the Examiner.

II. Claim Rejections, 35 USC §102

Claims 1-3 and 5-9 stand rejected under 35 U.S.C. § 102 as being unpatentable over *Murphy* US Patent Number 4,150,090.

Applicant has amended Claim 1 to recite that the fuel distributor is connected to a source of fuel oil and that the fluidization distributor is connected to a source of a fluidization gas catalyst regenerator (For support, refer to Claims 4 and 5 as filed, Paragraph 38 of the Specification, and Figure 1).

Applicant's claimed regenerator for catalyst used in an FCC process introduces vaporized supplemental fuel into the spent catalyst feed thus providing heat for the catalyst regeneration upon combustion with the oxygen-containing gas (air, e.g.) that is introduced into the bottom of the catalyst bed below the slot, and minimizing the risk of combustion of the fuel above the catalyst bed and/or uneven heating (For support, refer to Paragraph 39).

Applicant believes that *Murphy* does not anticipate Claim 1 as amended herein. *Murphy* does not claim a fuel distributor or a fluidization distributor. The only injector anticipated in *Murphy* is a steam injection ring that injects "a flow of steam upwardly in the annular space within the well pipe" (See *Murphy* Column 3, Lines 27-31). *Murphy* does not anticipate introducing vaporized supplemental fuel into the spent catalyst feed. Furthermore, *Murphy* fails to provide any motivation or guidance for such a proposed modification.

Claim 5 is cancelled. Claims 2-3 and 6-9 are dependent on independent Claim 1 and, therefore, include all the features thereof. Since Applicant believes that independent Claim 1 is patentable over *Murphy*, Applicant believes Claims 2-3 and 6-9 are thus patentable over *Murphy*. Reconsideration of the rejection to Claims 2-3 and 6-9 is respectfully requested in view of the remarks.

III. Claim Rejections, 35 USC §103

Claim 4 stands rejected under 35 U.S.C. § 103 as being unpatentable over *Murphy* US Patent Number 4,150,090, and further in view of *Ramachandran* US Patent Number 5,565,089.

Claim 4 is cancelled. Claim 1 has been amended to include the limitations of Claim 4. Since *Ramachandran* does not teach providing vaporized supplemental fuel into the spent catalyst feed, Applicant believes that Claim 1 as amended herein is patentable over *Murphy* and further in view of *Ramachandran*. Reconsideration of the rejection to Claim 4 is respectfully requested in view of the remarks.

Claims 10 and 11 stand rejected under 35 U.S.C. § 103 as being unpatentable over *Murphy* US Patent Number 4,150,090, and further in view of *Castagnos, Jr.* US Patent Number 4,062,759.

Claims 10 and 11 are dependent on independent Claim 1 and, therefore, include all the features thereof. Since Applicant believes that independent Claim 1 is patentable over *Murphy* and since *Castagnos, Jr.* does not teach the missing element from *Murphy*, Applicant believes Claims 10 and 11 are thus patentable over *Murphy* and further in view of *Castagnos, Jr.* Reconsideration of the rejection to Claims 10 and 11 is respectfully requested in view of the remarks.

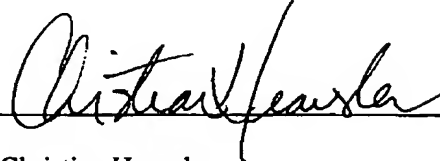
Claim 14 stands rejected under 35 U.S.C. § 103 as being unpatentable over *Murphy* US Patent Number 4,150,090, and further in view of *Chen* US Patent Number 6,797,239.

Claim 14 is dependent on independent Claim 1 and, therefore, includes all the features thereof. Since Applicant believes that independent Claim 1 is patentable over *Murphy* and since *Chen* does not teach the missing element from *Murphy*, Applicant believes Claim 14 is thus patentable over *Murphy* and further in view of *Chen*. Reconsideration of the rejection to Claim 14 is respectfully requested in view of the remarks.

Reconsideration of this Application with the amended claims in view of the remarks expressed throughout this Response is respectfully requested.

Respectfully submitted,

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